

ROUGH WATER IN BASIN PREVENTS HARVARD RACE

Triangular Regatta With M.I.T.,
Harvard, and Cornell is
Being Negotiated

HARVARD AGREES TO PLAN

Freshmen and 150-Pound Varsity
Will Race with Harvard
During Week

Due to high winds and rough water on lower Basin, the referee declared the Technology-Harvard race postponed until next Saturday, when Technology and Cornell are scheduled to race over the Charles River course. After waiting for more than two hours, the high wind blowing down the Charles showed no signs of going down, and after repeated trips down the Basin both coaches and the referee agreed that it was too rough for the race. Attempts are now being made to reach an agreement by which next Saturday's race will be a triangular regatta. The consent of Harvard has been obtained, and the management now awaits Cornell's reply.

This postponement will give the Crimson and Engineer boats another week to prepare for their next race, which will be welcomed by both coaches, as the crews have had little practice the last week, due to rough water. After the referee's decision, Coach Haines planned to send the Varsity and Jay-Vee boats out for a workout, but the water in the upper Basin was also too rough, and practice was called off.

Cornell Varsity is Strong

At Cornell, Coach Wray has been preparing his first Varsity for the coming race for several months, and their first boat is expected to give the Harvard and Technology crews a hard race. In practice the Cornell Varsity has shown up much better than the Jay-Vees, finishing more than five lengths ahead of the second Varsity, and is being heralded as one of the strongest racing crews in the East.

Due to the fact that the freshmen are scheduled to meet Kent School on Saturday, their Harvard race will be rowed some afternoon during the week. The 150's also expect to race at the same time.

NEW BOARD ELECTED BY CATHOLIC CLUB

As a result of the voting last Monday, the following men have been elected officers of the Technology Catholic Club for the coming year: Norman F. O'Shea '30, President; C. Robert Ingram '31, Vice-President; Elmer C. Hughes '31, Secretary; John W. Wattendorf '31, Treasurer; Frederick E. Brooks, Jr. '31, Financial Secretary; Melvin J. Blackwood '30, Frank C. Harding '31, and John J. Lousanau '32, Directors.

Errant Kendallites Cause Nocturnal War

About twenty-five visitors from the suburbs of Kendall Square made their presence known when they passed the dormitories and for about an hour on Wednesday night a verbal battle occasionally interrupted by the projection of radio tubes, water and fireworks, was staged between the lofty campus dwellers and those who eventually thought it best to go home. A few girls on the street shouted in unusual phraseology and strained their Websterian knowledge to the utmost. Some miraculous hits rendered some of the Kendallites rather moist but a small group of dorm men who appeared in the distance persuaded them to meander homeward while still in a unmutated condition.

Dame Fortune Favors Technology Student

Lady Luck favored John E. Strong '31 a student of the Institute recently. Saturday he received word that his aunt had been trying to get in touch with him for some time as a relative of his had left him a small fortune. Strong believed that he was the only remaining member of his family and had not heard of his aunt or his benefactor. He has not yet decided what to do with all his money, but intends to remain at the Institute.

Skits Wanted By Manager For Next Year's Tech Show

Prize of Five Dollars for Each
Play Used is Offered
by Management

Tech Show for 1930, according to their publicity manager, is anxious to have enough material turned in for next year's production before vacation so that they may work out an outline for the necessary writing to be done next fall. This material may be in the form of skits as outlined at previous times or it may be production. Cash prizes of five dollars for each skit used will be awarded for accepted material when the show gets under way next fall.

Some of the suggestions already made public may be useful in working on this material. Above all the management wants skits that are short and snappy with lots of speed throughout. Three or four minutes is the average length desired but a longer skit will be considered. The subjects of the skits are not restricted, and anything with an appeal to the students would be acceptable. The management hopes to combine all the material, with the dances and specialty acts, into a single unified program.

In regard to the outline idea, the Show will be glad to consider any program. This program will be about two and a half hours in length. It will include skits, dances, and specialty acts and it will have a unified atmosphere. If it is possible to get such an outline which will be acceptable the skits can be written to fit it and the process of finding an outline for a number of unrelated skits will be eliminated.

Mr. William C. Greene of the English Department and Tech Show Coach will be glad to help any students who have ideas for skits. He may be found in his office, Room 2-176. Material should be turned in to him or to Paul H. Kimberlin '30, of the Show Management, at the Show office, 301 Walker Memorial Building.

Cash prizes are being offered for the material accepted for the 1930 production. There will be an award of five dollars for each skit produced. For the plan to unify the show a prize of ten dollars is offered.

CHEMICAL SOCIETY VISITS OIL PLANT

Members Make Tour of Inspection
of Beacon Oil Company

Members of the Chemical Society made a tour of inspection through the plant of the Beacon Oil Company at Everett Thursday afternoon, leaving the Main Lobby of the Institute at 2 o'clock. Upon arrival at the plant, the party was divided into two groups, and guides were assigned to accompany them through the buildings, which are very extensive.

Several laboratories were in operation at the time, and the members had an opportunity to observe the tests which were being made, these being explained to the visitors by the guides. The members of the group manifested considerable interest in one of the distilleries where, by fractional distillation of petroleum, such products as gasoline, kerosene, fuel oil, and asphalt, are obtained.

This trip was not considered as successful as some of the previous ones, due to the small attendance of members, who numbered less than fifteen. About an hour and a half were spent in the examination of the plant.

SALE OF SIGNUPS FOR SENIOR WEEK TO BE CONTINUED

Class Day Exercises Scheduled
for May 3 Followed by
Dance in Walker

PICNIC HELD ON FRIDAY

Signups for the Senior Week events will be continued throughout this week due to the fact that the Seniors have been slow in responding. No desk will be maintained in the Main Lobby, however, as the Committee has discovered that Seniors do not frequent this part of the Technology buildings enough to make the maintenance of a desk worth while. Signups may be secured from any of the Committee members at the prices previously published in THE TECH.

This year's series of events will open with the Pops Concert in Symphony Hall on Thursday, May 30. This will be followed by the Senior Picnic on Friday, the location of which will be announced in a later issue of THE TECH. On Saturday night, the class dinner will be held in the Hotel Kenmore. Baccalaureate Services will be held on Sunday in the New Old South Church.

Class Day exercises are scheduled to be held Monday, June 3, from approximately 2 until 3 o'clock and will be followed by a Tea Dance in Walker Memorial from 3 until 6 o'clock. The week's activities will close on Tuesday with the Commencement exercises in Symphony Hall, the reception by President Samuel W. Stratton, and the Senior Prom that will be held in the Hotel Statler.

In order that every Senior may know just what the committees in charge of the Senior Week events are doing, the Committee wishes to urge everyone to secure a copy of the second issue of the "Superheater" which is scheduled to appear on May 17. Although sufficient copies of the first issue were printed, many Seniors failed to get a copy by not applying to the desk in the Main Lobby. This paper while telling chiefly about Senior Week activities contains other news of interest to Seniors.

May Technology Review Features Air Development

Prof. Wiener Writes Article on
Theory of Last Einstein
Treatises

Featuring the development of aeronautics the May issue of the Technology Review will be on sale Monday in the Main Lobby. The new issue will also contain an article by Professor Norbert Wiener entitled "Einsteiniana" in which the author outlines some of the work he has done in corroborating and checking the new papers of Professor Einstein.

Mr. Jerome C. Hunsaker '12 wrote the opening article in the issue in which he describes the development the American and German initiative has attained in bringing the dirigible in to its own. He commences the article with the initial balloon flight in 1783 made with hot air and discusses the improvements up to the present time. "Airships Redivivous" is the subject of the article.

Daniel C. Sayre and Manfred Rauscher, two members of the faculty in the Aeronautical Department, have each contributed stories, the former on "Air Transportation" and the latter on "Improving the Airplane". The lead America has assumed in commercial aviation is described in Mr. Sayre's article and maps comparing the routes in Europe and America are included. Recent developments in airplane design are described in Mr. Rauscher's article. The pictures of the tests in wind tunnels of the cowling of radial engines were loaned through the courtesy of the N. A. C. A.

Musical Clubs Elect New General Manager



George E. Kloote '30

President-elect Of Liberal Club Is Mary E. Betts

New Officers Chosen at Final
Meeting of Year—Speaker
Prof. Sutherland

Professor Hale Sutherland of the Department of Civil Engineering was the speaker of the final meeting of the Liberal Club for this year. Talking on Patriotism and Peace, he drove home the basic idea that since the passage of the Kellogg Pact outlawing war the pacifist has become the patriot.

At the elections held after Professor Sutherland's talk Miss Mary Elizabeth Betts '30 was elected president for the coming year. Miss Betts was previously secretary of the Club. The other officers elected were: Howard Addison Robinson '30, vice-president, Standish Deake '31, secretary-treasurer, and William Metcalf '30, member at large.

This meeting concluded the first year of the club during which time sixteen meetings were held featuring talks by speakers prominent in their respective fields. Through this activity of the club such speakers as Gardner Jackson, former editor of the Boston Globe, Scott Nearing, Harry L. Dana, Clarence R. Skinner, Professor Givler of Tufts, Arthur Garfield Hayes, and Clarence Darrow were brought before Institute audiences.

DORMITORIES HOLD FINAL SOCIAL EVENT

Dance is Featured by Balloons
and Surprise Favors

North Hall was the scene of the last social event for the dormitory men this season with 75 couples attending the dance. The Collegian Ramblers furnished the music last Friday night until 3 o'clock when the dance concluded. Mrs. Leicester F. Hamilton and Mrs. James R. Jack were the chaperones.

As the guests arrived surprise favors were distributed to each girl. At 1 o'clock the balloons were released and in a short time there were few balloons left. Spotlights threw different colored lights to all parts of the room and produced a moonlight effect. The chairman of the dormitory dance committee this year was Charles W. Sampson '29.

PUNG AND BRIDGES GIVE DORMS PARTY

Messrs. Bridges and Pung gave an entertainment to the dormitories, Thursday evening, in which there was free bowling and billiard playing along with the food which was served later in the evening. The dormitory bowling championship was played off and the winner, George Palo G., was awarded the cup. Two professional bowlers, rolled an exhibition match with Mr. Pung and Glenn N. Andrews '29.

KLOOTE NEW HEAD OF MUSICAL CLUBS FOR COMING YEAR

New Managers and Leaders Were
Announced at Banquet
Last Saturday

NEW LEADERS ALL SPEAK

Thompson Stone Delivers Main
Speech Describing His
Musical Career

George E. Kloote '30 was announced as the General Manager of the Technology Combined Musical Clubs for next year at the annual banquet held in the Palm Dining Room of the Hotel Lenox last Saturday. A large gathering of the members of the various clubs and a representation from the faculty were present.

Donald R. Funk, the retiring general manager and toastmaster at the occasion, during the latter part of the evening announced next year's managing board which will assist the general manager.

Senior Managers: Joseph E. Rehler '30, Personnel Manager; Thomas A. DeMarco '30, Concert Manager. Junior Managers: Howard F. Jenkins '31, Stage Manager; John V. Fagan '31, Business Manager; O. Whitmore Burtner, Jr. '31, Publicity Manager; William Roberts '31, Treasurer. By the establishment of the new senior position of Personnel Manager, the management hopes to create a closer contact between all the members of the various clubs and the board. In addition everyone in the organization will have opportunity to make suggestions, to realize what the other clubs are doing and when and where the concerts of the season will be held.

Thompson Stone, conductor of the Handel and Hayden Musical Society and director of the Apollo Club men's chorus, gave the main speech of the evening. Among other things he humorously described some of the incidents of his career as a student of music at Vienna. Referring to the past and present celebrities at the Metropolitan Opera House in New York, he stated that through personal acquaintance with the singers he had found that a willingness to work hard has accounted for all of the successes at that theatre. In concluding Mr. Stone spoke somewhat in detail of American opera, compared it to that of Europe and predicted its ultimate increase in popularity and appreciation in this country. By his request the glee club, led by Frank B. Stratton '29, sang a selection.

Following this song, the leaders of the various clubs for next year were announced. Stating the qualifications of each, the retiring leaders handed batons to their successors who are as follows: Theodore Hardy '30, leader

(Continued on Page 4)

CROWELL '30 HEADS WALKER COMMITTEE

Robert P. Crowell '30 will head next year's Walker Memorial Committee. Announcement of his election was made at the meeting of the Institute Committee held yesterday. The remaining members of the committee will be O. Glenn Goodhand '31 and Robert H. Hubbell '31.

Class Baseball Schedule

Monday May 6
Juniors vs. Sophomores
Tuesday May 7
Seniors vs. freshmen
Thursday May 9
Sophomores vs. freshmen
Friday May 10
Seniors vs. Juniors
Monday May 13
Juniors vs. Sophomores
Tuesday May 14
Seniors vs. freshmen
Thursday May 16
Juniors vs. freshmen
Friday May 17
Seniors vs. Sophomores
Monday May 20
Juniors vs. Seniors
Tuesday May 21
Sophomores vs. freshmen

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J. W. Bahr '31

SPINS—AND A CRACK-UP

AT the last Institute Committee Meeting, this undergraduate governing body took action which will probably result in the death-knell of one of Technology's hopeful activities. At this meeting, a motion was made to refuse further recognition of the M.I.T. Flying Club as an Institute organization, the motion being tabled until next week.

This club has found the air bumpy ever since its inauguration. Instead of good flying weather, the group has encountered days of very low visibility, and close horizons. Dead-stick landings have been made, and disastrous crashes narrowly averted. The boys found difficulty in pulling themselves out of their tail spins, and on several occasions storms of more than ordinary violence have nearly proved their undoing. Now it seems that their motor has conked for good, and they are making their final landing, headed for a fatal crack-up.

Why, one asks, is flying at Technology so different from flying at other schools? If Harvard is able to have a successful flying club, if other school flyers organizations in this country can continue without down-fall, if Oxford and Cambridge are able to foster and continue with such projects, why cannot we? That is a big question, and involves money, management, personnel, co-operation and luck. That last factor is the airman's own—without it he feels himself lost, and he depends on it to a greater extent than we do who are living in a more stable strata. The Flying Club has not had it—perhaps they might have had they taken greater care with the first prerequisites.

The Flying Club case was one of mis-directed energy. Without doubt, its originators were wholly sincere in their love of flying, and in their desire to foster interest in it. Lamentably, the large percent of these men have found that Technology and flying mix with about the same reaction as hot acid and alkali. Either one flies or goes to the Institute—flying generally offers the greater thrill—therefore, one receives curiously worded faculty admonition suggesting his withdrawal.

To mismanagement may probably be attributed this debacle of Technology in the air. Flying involves large outlay of capital; initial purchase and upkeep are high. It also necessitates great care with the investment, careful supervision of the plane, and many restrictions as to its flying. These little details the club has overlooked, with pitiable consequences.

Let this be a lesson: undergraduate affairs are dependent on good management. Particularly is this the case in activities which require large outlays of money. This management must be rigidly continued to include cooperation with the faculty, as well as the control of the finances. Also, the personnel of any activity must fully realize a sound sense of value in apportioning their time in outside activities and at school. Furthermore, and most important, take the example of the several men who now sign their names "ex-'29" or "ex-'30", and do not try to mix flying and study. Study of aviation at the Institute is a commendable thing, but limit your flying hours to summer vacations, or wait until you are in possession of the sheepskin before attempting to get into the air.

ONLY FRONTIERS

IN Building 2 harried freshmen and Sophomores are cudgeling their brains over M12 and M22. These are being developed by Seniors which at times present problems that even these peers must ponder over. In research laboratories, not only at Technology but all over the world, scientists are baffled by the problem just ahead.

The freshman in M12 is no more puzzled by the problems that confront him than is the graduate student in the laboratory pursuing an illusive bacilli. It is true that the former is confident that his problem does possess a solution and the latter does not possess this assurance; but the degree of uncertainty is much the same.

Man's activities in scientific research have apparently expanded in such a way that the number of new fields opened up vary as a higher power of the time factor. There are many problems today of which foremost scientists do not allow themselves even a surmise at solution. Yet these problems will be solved eventually and a score of others take their place because the one thing that a scientist knows positively is that there will always be something he doesn't know. For there are no boundaries to science, only frontiers.

As We See the Movies

The story of a man who thinks more of the newspaper game than he does of his friends and family, who cannot leave his desk when a big "break" comes, even though his daughter is dying—that is the theme of the vivid picture, "Gentlemen of the Press" which is at the Met this week.

The Paramount picture is an all-talking production, taken from the play by the same name. Walter Huston, whose difficult role as the veteran newspaper man he fills with as much feeling as he puts into "The Barker," heads the fine cast. It is not a cast made up of those Hollywood satellites whose names continually feature in the scandal sheets, but the group seems to have been picked for their ability at character roles. Particularly so is Charles Ruggles, a well-known stage comedian, who makes a minor part into a role of outstanding importance.

Many of the scenes are made in the city room of a big newspaper, and the muffled roar of the presses mingles with the rattle of type-writers to portray the rush of activity in a modern newspaper. The improvement in recording shown throughout the picture is gratifying. Babies cry, machines whir, telephones jangle with the naturalness of a play, and the dialogue gives the impression of issuing from the mouths of the characters.

In spots the action seems a trifle overdone, but the whole picture is a powerful drama. It is refreshingly unlike the average run of pictures, and while not complimentary to some aspects of newspaper life in general, the glamor and humor of the "game" combines with the grim reality to make a human interest story which has not been equalled recently.

In a medley of Russian numbers, the orchestra makes a pleasing contribution to the entertainment. The stage show "Fifth Avenue" is a colorful representation of the smart shops along this thoroughfare.

Away from the Grind

A costume party and three small closed dances constituted Technology's social program for this weekend. Let no one fear however, that the shadow of the impending grind has yet begun to darken the spirit of social activities. There are still more good times to be had this term.

LAMBDA CHI ALPHA

Last Saturday at the Lambda Chi Alpha house there was a small closed tea dance, which was to precede the crew race with Harvard. There were about twenty couples, and the music was furnished by the Technicians. After the dance, the party retired en masse to Harvard Bridge, only to be disappointed—thanks to the far-famed New England weather.

PHI GAMMA DELTA

The traditional Phi Gam Cowboy Party was held last Friday evening. From the moment that the silhouette of the hangman's victim greeted the guests until after the orchestra had gone and dancing continued to the wheezy nickel piano in the "back room" the evening was a continuous wild-west demonstration. Startling realism was imparted to the fray by the frequent shots from someone's 38.

Decorations transformed the ballroom into a dance-hall dive and the dining-hall into the back room of a western saloon. Refreshments were served at the bar which had a real brass rail until one of the feminine cow-punchers not accustomed to brass rail technique attempted to put both feet on it. Free lunch as well as liquid nourishment was handed out across the bar, the olives making excellent ammunition for annoying the bartender. A nickel piano gave real back room atmosphere to the place.

PHI KAPPA SIGMA

A tea dance was held Saturday afternoon at the Phi Kappa Sigma house. About 35 couples were present at the affair. Professor and Mrs. J. Warren Barker were the chaperones. In token of the fraternity's appreciation of Professor Barker's interest in the chapter he was presented with a silver bowl. Professor Barker is leaving for Lehigh University at

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Study and Amusement Are United In Summer at Camp Technology

Surveying Course Supplemented by Interesting Week-ends and Field Games

Now that the sun-burn of last summer has practically faded away from the campers who were at the surveying camp at Machias, Maine, a new group is contemplating going into these wilds of Maine for a similar sunburn—and possibly similar experiences.

Life at Camp Technology is far from being a grind. Up for a dip in the morning, and out in the field from 7:45 until 5 in the afternoon, baseball before supper, classes in the evening (only two nights a week,) small wonder that the discontent at the "Ten o'clock lights out" rule gradually disappears!

An interesting course of study is given the students during the camp period. In railroad field work, practice is had in "running in" simple and easement curves, setting slope stakes, and after a little experience in those lines is gained, a preliminary survey and a final location line is made of a typical railroad line. Right through the thick woods, swamps, brush, and creeks, fighting off the mosquitoes, the men learn that while a straight line may be the shortest distance between two points, its the longest way around when dense, scrub firs or soggy marsh are "on line."

Engineers Survey Creeks

When the men are not swimming, they find out that hydrographic surveying, stream gaging, or as it is popularly termed "stream guessing," means hanging over a bridge all day, "fishing" with a current meter, or peering through a sextant, while the man in the bow of the boat sings out, "Fourteen point five." In this manner is the lake bottom mapped and the various creeks "surveyed."

The land around the camp and on the other side of the lake is similarly surveyed and mapped in doing what is called "quad work." After locating a point in a small tract of land by triangulation from distant points, a map of that tract is made by plane table or stadia. Buildings,

the end of this term. Tea was served at 6:30 o'clock.

SIGMA NU

An informal closed dance was held last Saturday evening at the Sigma Nu house. About 20 couples were there, a number of them being present at dinner. Dancing was from 9 until 12 o'clock. Mr. and Mrs. B. H. Brown were the chaperones.

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Many Amusements For Men

While none of the occupations are long enough or hard enough to become odious, the week ends usually afford plenty of regular good times. Canoe trips, including fishing and camping overnight, are very popular pastimes, the canoes being hired for the season from the natives at a very reasonable figure. Dancing at Indian Lake is another form of popular pastime. In fact, the young women of the entire county wait until the embryo engineers come up before they begin to blossom out. Toward the end of the season on Labor day, a tea dance is held, followed by a Tech show and sometimes before and after by a real Field Day which includes racing, boating, swimming, canoeing, and canoe tilting. During the regular season, a baseball tournament is held between the different barracks to decide the supremacy of the camp. A camp baseball team is also in full bloom and usually plays on Saturday and Sunday afternoons with all the neighboring towns.

And taking all in all, the camp proves a place for both physical and mental development with enough together to make an interesting balance.

Stillwater, Okla.—The two juniors of the school of agriculture of Oklahoma A. and M. college who kidnapped the queen of the Engineer's Ball were let off with a light penalty. The discipline committee ordered the students merely put on probation for the rest of the present semester.

For College Parties

—small or large, The Modernistic Ballroom, for 300 guests. The Sun Room—accommodates 100. The Jewel Room—for 50 to 75, may be opened into the EGYPTIAN ROOM for dancing to Leo Reisman's music.

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Tennis Shirts, short sleeve..... \$2.50

Technology Branch, H.C.S.

GYMNASTS TAKE N. E. TITLES

TRACK TEAM LOSES HEAVILY IN FIRST MEET AT CORNELL

Captain Hallahan and Benjamin Win Only First Places for Engineers

GRONDAL BREAKS RECORD

Thorsen is Forced Out by Injury and Herberts Takes Third Place in Mile

After journeying from Cambridge to Ithaca the Varsity track team was defeated by Cornell with a score of 114-21. Hallahan and Benjamin were the only Engineers to take first places. Hallahan won the 440 yard run in 51 2-5 seconds, while Benjamin took the high jump with a height of six feet even. In taking second place in the shot put with a heave of 43'10" Grondal set a new Varsity record for this event, the old record being 42'1-4". Meinig did the best work of the afternoon for Cornell winning both the 100 and 220 dashes, taking the 220 in 21-15 seconds and the 100 in ten flat.

Thorsen Is Injured

In the two mile run, Thorsen had the bad luck to twist his ankle badly and was thus put out of the scoring. Baltzer and Herberts led the field for the first three quarters in the mile run but both failed to come through for the finish. Herberts lost out in the last 25 yards and took third place, finishing 4-5 second behind Benson, the winner. Both the 220 and the 100 yard dashes were very close. At the finish the men were bunched up. In the 220 Ladd took second place while he and Jandris were just nosed out of the scoring places in the 100.

Cornell took all three places in six events, winning the 220 low hurdles, (Continued on Page 4)

FRESHMEN TRACK TEAM WINS OVER TUFTS YEARLINGS

Engineers Take First Place in Every Running Event of One-Sided Meet

GILMAN WINS TWO RACES

On Friday afternoon the yearlings overcame the Tufts freshmen on the track by a score of 83-43. The Engineers had a decided advantage in the running events, taking first place in every one. In the field events, Tufts took five first places while Technology took four. Earl White of Tufts was the outstanding performer of the afternoon, taking four first places to score twenty of Tufts' 43 points. In the low and high hurdles he broke the tape, closely followed by his teammate, Cole. In the broad jump, White and Cole also took first and second place, respectively. White took his fourth first place in the discus throw.

Gilman Wins Twice

Don Gilman took both the distance events for the afternoon when he came through to win the 880 in 2 minutes 14 4-5 seconds and the mile in 5 minutes 2 3-5 seconds. In the sprints, Wayne and Hall alternated in first and second places. Wayne took the 100 while Hall won the 220. The yearlings made a clean sweep in the quarter-mile when Jewett came through to win in 55 2-5 seconds closely followed by Mulliken and Ellis.

In the shot put the Engineers again made a clean sweep when Bailey, Leino, and Etstein finished in the order named. Again in the javelin throw and the hammer throw the Technology men proved to be the best. Robertson, Paul, and Covert took first, second, and third, respectively, while Etstein, Redell, and Fraim did the same in the hammer throw.

A summary of the meet follows:

One hundred yard dash—Won by Wayne (MIT); second, Hall (MIT); third, Chester (Tufts). Time—11s.
Two hundred twenty-yard dash—Won by Hall (MIT); second, Wayne (MIT); third, Chester (Tufts). Time—23 3-5s.
Four hundred forty-yard run—Won by Jewett (MIT); second, Mulliken (MIT); third, Ellis (MIT). Time—55 2-5s.
Eight hundred eighty-yard run—Won by Gilman (MIT); second, Rogers (MIT); third, Stanley (Tufts). Time—2m. 14 4-5s.
One mile run—Won by Gilman (MIT); second, Kelley (MIT); third, Stanley (Tufts). Time—5m. 2 3-5s.
One hundred twenty-yard high hurdles—Won by White (Tufts); second, Cole (Tufts); third, Corson (MIT). Time—17 2-5s.
Two hundred twenty-yard low hurdles—Won by White (Tufts); second, Cole (Tufts); third, Corson (MIT). Time—29s.
Putting, 12-pound shot—Won by Bailey (MIT); second, Leino (MIT); third, Etstein (MIT). Distance—44 ft.
Running high jump—Won by Bush (Tufts); second, Robertson (MIT); third, Hersey (Tufts). Height—5 ft. 6 in.
Pole vault—Won by Cree (MIT); second, Rose (MIT). Height—10 ft. 6 in.
Discus throw—Won by White (Tufts); second, Etstein (MIT); third, Bailey (MIT). Distance—105 ft. 6 in.
Javelin throw—Won by Robertson (MIT); second, Paul (MIT); third, Covert (MIT). Distance—163 ft. 6 in.
Hammer throw—Won by Etstein (MIT); second, Reidell (MIT); third, Fraim (MIT). Distance—120 ft. 8 in.
Running broad jump—Won by White (Tufts); second, Cole (Tufts); third, Robertson (MIT). Distance—19 ft. 3 1-2 in.

FOUR SENIOR GYM TITLES TAKEN BY TECHNOLOGY MEN

Wells Takes High Bar and Second on Rings as Fairchild Wins Side Horse

ENGINEERS WIN 30 POINTS

Reynolds Takes First on Rings as Dolloff Wins Decision in Tumbling Tie

Wells, Reynolds, Fairchild, and Dolloff each took one of the five championships at stake in the New England Senior Gym meet held last Saturday night in the Walker Memorial gymnasium. Stewart of Dartmouth took the fifth when he won the parallel bars event from Reynolds of M.I.T. and Horak of the Boston Y. M. C. A. Seven teams from New England were represented at the meet with a total of 41 entries.

Wells took first place on the high bar by a comfortable margin over Horak of the Boston Y. M. C. A. Platt of M.I.T. took third. On the flying rings Reynolds took first place by twelve points over his teammate Wells. Colter of Bowdoin was third. Fairchild took first place on the side horse by a 78 point lead over Knapp of M.I.T. MacGregor of Springfield won third place.

Dolloff Wins Decision in Tie On the parallel bars, Stewart of

Dartmouth won over Reynolds by a fairly large score, while Horak of the Boston Y. M. C. A. took third place. In tumbling a tie resulted when the scores were added up. Both Dolloff, and Hersam of Dartmouth had a total score of 520 points. The matter was referred to the judges who voted Dolloff the winner by a vote of 2 to 1. Toye of the Boston Y. M. C. A. took third place with a score of 405 points.

In team scores, Technology was an undisputed first, winning 30 out of a possible 45 points. Dartmouth was next in line with eight points while the Boston Y. M. C. A. made five. Springfield and Bowdoin each made one point.

Exhibitions Given

Herman Witzig and Alfred Jochim were unable to give the advertised exhibition due to injuries that both men received last week. Jochim had a sprained ankle while Witzig sustained a broken nose. In their place the championship winners of the evening gave exhibitions and W. G. MacGregor of Springfield College gave an exhibition of Indian club swinging.

A summary of the meet follows:

HIGH BAR
Won by David Wells (M.I.T.), 532; second, Joseph Horak (Boston Y.M.C.A.), 415; third, Robert Platt (M.I.T.), 345.
SIDE HORSE
Won by Harold Fairchild (M.I.T.), 523; second, Stuart Knapp (M.I.T.), 445; third, W. G. MacGregor (Springfield, 342).
PARALLEL BARS
Won by James Stewart (Dartmouth), 519; second, Wesley Reynolds (M.I.T.), 451; third, Joseph Horak (Boston Y.M.C.A.), 429.
FLYING RINGS
Won by Wesley Reynolds (M.I.T.), 529; second, David Wells (M.I.T.), 517; third, James Colter (Bowdoin), 455.
TUMBLING
Won by Norman Dolloff (M.I.T.),

520; second, George Hersam (Dartmouth), 520; third, Fred J. Toye (Boston Y.M.C.A.), 402; (Dolloff was awarded first by vote of judges).

Students under 18 years of age at the University of Omaha will be arrested if they are found on the streets of the city after 8 P.M., in accordance with the resolution of the W. C. T. U. of that city.

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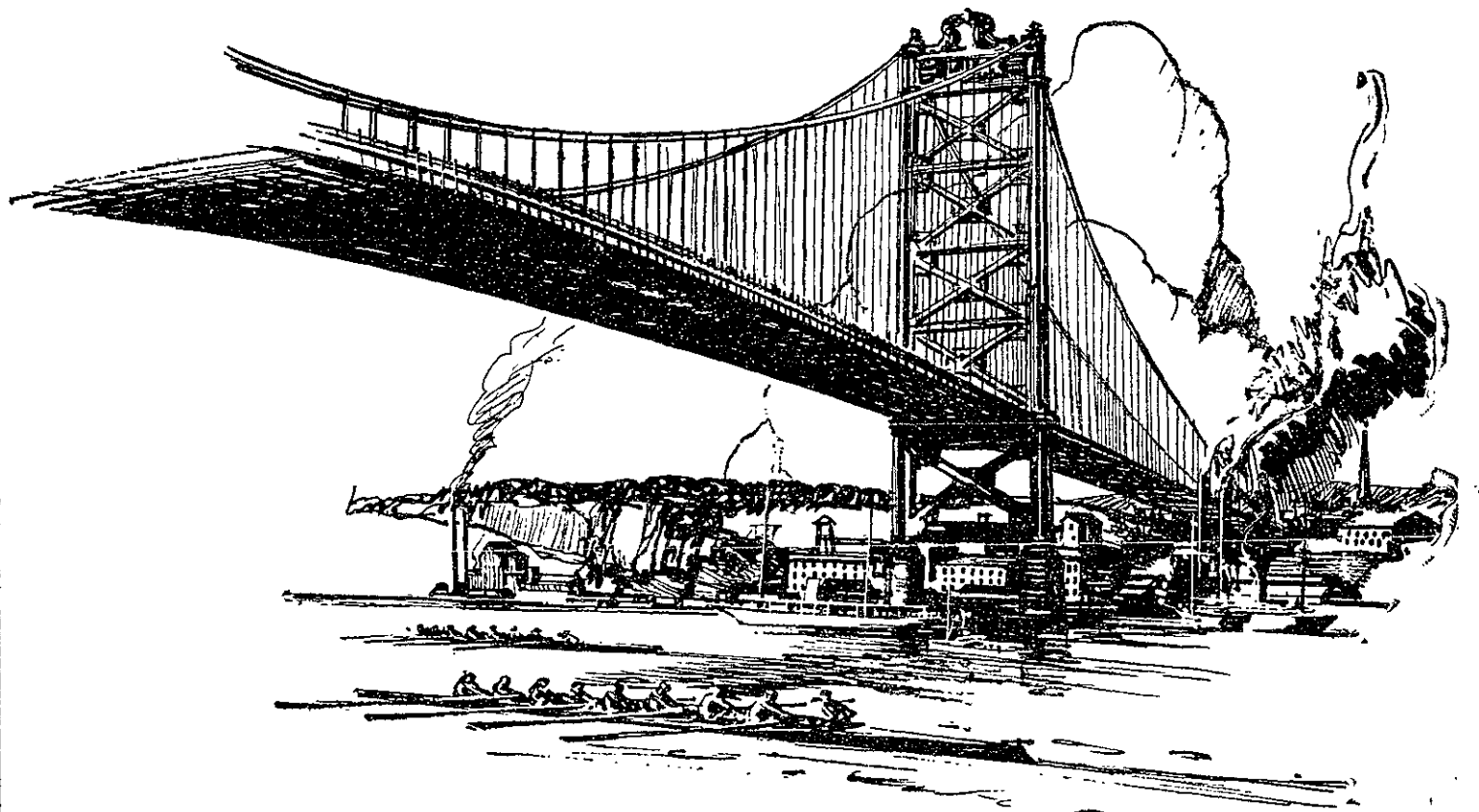
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Fraternal yours,
(Signed) Franklin Montgomery

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Varsity Tennis Team Wins From Terriers 5 to 3

Netmen Break Even in Singles But Win Big Advantage in the Doubles

On Thursday afternoon the Varsity tennis team played a match with Boston University, winning by the score of five to three. The match was played on the courts at Nickerson Field in Weston.

The winners in the singles for M.I.T. were Captain Cleary, Dame, and Searles. B. U. also had three winners, Captain Andrews, Corish, and Carter. In the doubles the Engineers had a decided advantage and took both matches. The third match in the doubles was not played because of rain.

Team Makes Good Showing

Wigglesworth, in the singles, made a very fine showing, though he lost to Captain Andrews of the B. U. team. (Continued on Page 4)

NOTICES and ANNOUNCEMENTS

Of General Interest

The Aerodynamic Institute of Koutchino

Dr. D. Riaboushinsky

Wednesday, May 8, 4 P. M., Room 3-370

Dr. D. Riaboushinsky, Founder of The Aerodynamic Institute at Koutchino, Russia, will give a series of lectures. The subject of his first lecture will be "The Aerodynamic Institute of Koutchino."

The lecture is open to students and members of the instructing staff.

Municipal Sanitation

Mr. Harrison P. Eddy, Jr.

Thursday, May 9, 10 A.M., Room 10-411

Mr. Harrison P. Eddy, Jr. of Metcalf and Eddy, consulting sanitary engineers, will lecture on "The Collection and Disposal of Municipal Refuse."

The lecture is open to students and members of the instructing staff.

Calendar

Monday, May 6

5:00—Executive Committee Meeting, North Hall, Walker.

Tuesday, May 7

6:00—Class of 1905, Dinner Meeting, Faculty Dining Room, Walker.

7:00—Mathematics Seminar, Faculty Dining Room, Walker.

Wednesday, May 8

4:00—Lecture, "The Aerodynamic Institute of Koutchino," Room 3-370.

7:00—Mathematics Seminar, Faculty Dining Room, Walker.

7:30—Math Club Meeting, North Hall, Walker.

Thursday May 9

10:00—Lecture, "The Collection and Disposal of Municipal Refuse," Room 10-411.

Undergraduate

TECHNIQUE REDEMPTIONS

After 3 o'clock today all Techniques must be redeemed at the Technique office in Walker. All holders of Technique Rush Paddles are urged to redeem their yearbooks at an early date or they will forfeit their right

to these books. Books will not be given without a redeemed sign-up receipt.

FRESHMAN GOLF

All freshmen interested in Golf are requested to meet in the M. I. T. A. A. office at five o'clock this afternoon.

LACROSSE PLAYERS SHOW IMPROVEMENT

Team Meets Harvard Tomorrow in First Collegiate Tilt

Supplemented by several freshmen the Boston Lacrosse Club defeated the Varsity by the count of 4 to 1 in a coaching game on the new Technology field Saturday afternoon. As previously arranged, the freshmen were scheduled to meet the Club seconds, but due to the fact that many freshmen had to take condition examinations, this practice game was substituted. Valuable pointers in the sport were given the Engineers by veteran B. L. C. players.

Team Shows Improvement

As a whole the result of the game was very satisfactory. Led by Captain Bill Olmstead who scored the lone tally for the Engineers, the team put up a good fight and showed much improvement over their first showing on Open House day. This practice game served as a final preparation for the Engineers' coming tilt with Harvard which will be played tomorrow afternoon at 4:30 on Soldiers Field.

Harvard Has Experience

To date Harvard has played five games, while the Technology twelve has only played once. The Crimson players considered fast, having defeated Cornell and Springfield, tied with Dartmouth and Boston Lacrosse Club, and lost only once to the strong Union team. Outstanding among them are Captain Harnett, second defense, Glenn, third attack, Nido, center, and Salmon, goal.

The starting lineup for tomorrow's game will be as follows:

Technology—Gardner, g; Deyarmand, cy.; Motter, p.; Soden, 3d.; Kittenbaugh 2d.; Walker, 1d.; Goodhand, c.; Lawton, 3a.; Fricker, 2a.; Kocher, 1a.; Olmstead, oh.; Puffer, ih.

Harvard—Salmon, g.; Robinson, p.; Kroell, cp.; Pickard, 1d.; Harnett, 2d.; Park, 3d.; Nido, c.; Glenn, 3a.; Gulick, 2a.; McGuire, 1a.; Johnson, oh.; Shapiro, ih.

Stillwater, Okla.—Students of horticulture in the Oklahoma A. and M. college have planted 10,000 onion plants of different varieties in order to study and compare them to produce the best possible vegetable.

Approximately 50 students are on the fencing squad of Southern California this year. The sport has assumed the proportions of a major activity.

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VARSITY TENNIS TEAM WINS MATCH WITH B. U.

(Continued from Page 1)

It is a significant fact that the latter is city champion of New Bedford and very skillful player. M.I.T. entered the match after playing Wesleyan on Wednesday. Arriving in Boston late the preceding evening, they were not in the best of condition for playing B. U. In view of this, their exhibition was very satisfactory.

Today the team is scheduled to meet Tufts Varsity, and on Wednesday their opponents will be Harvard. The summary:

Singles

Captain Andrews (B.U.) defeated Wigglesworth (T.) 7-5, 6-3, 7-5.

Captain Cleary (T.) defeated Smith (B.U.) 6-1, 6-2.

Dame (T.) defeated Danforth (B.U.) 6-2, 6-4.

Corish (B.U.) defeated Ferrer (T.) 9-7, 3-6, 6-1.

Carter (B.U.) defeated Studley (T.) 6-2, 7-9, 6-2.

Searles (T.) defeated Hudson (B.U.) 6-0, 6-3.

Doubles

Ferrer and Dame (T.) defeated Carter and Hudson (B.U.) 4-6, 7-5, 6-3.

Studley and Searles (T.) defeated Bannister and Hassett (B.U.) 6-0, 6-0.

Wigglesworth and Smith (B.U.) defeated Cleary and Andrews (T.) 6-3, 6-2.

Corish and Carter (B.U.) defeated Danforth and Ferrer (T.) 6-3, 6-2.

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Research Being Carried Out In New Laboratory

Building Sufficiently Completed To Allow for Use in Engine Testing

Research in standard types of motors is now being carried on in the new Automotive Laboratory which was sufficiently completed to allow for its use about a month ago. Additional A. C. and D. C. power lines to allow for greater flexibility in testing equipment are now being installed. These are expected to be in place within a week when the laboratory will be fully equipped.

The Automotive Laboratory is the second building to be erected under the plans of the Institute which call for the erection of a number of structures to be known as the back group of buildings. Under this scheme all available space parallel to Building 10 will eventually be in use by the installation of a line of laboratories alternately one and four stories high.

The interior of the laboratory is one of the most modern of its kind. Three lengths of track, used to anchor testing dynamometers and motors, run from the back to the front of the building. Channels parallel to the two outside tracks are equipped with piping to supply steam, water, gas, and compressed air. Two larger pipes are employed to convey the gases from the exhausts of the engines to a fan which blows the fumes out doors. Two one-ton hand-operated cranes are provided which are used to lift the engines from

NEW MUSICAL CLUB OFFICERS ELECTED

Management Plans Closer Contact Among the Various Clubs

(Continued from Page 1)

of Banjo Club; Arnold S. Ackiss '30, leader of Techonians; Ralph W. Murley '30, leader of Glee Club; Warren H. Martell '30, leader of Instrumental Club.

William E. Weston, director of the Glee Club, next spoke of the concerts of the past season and then expressed his thanks to everyone for the co-operation given him this year. After this, the loving cup which is presented each year to that organization of the clubs which has shown the greatest improvement during the season, was presented to the Banjo Club through Roy W. Ide, Jr. '30, its leader.

George E. Kloote '30, next year's General Manager, as freshman and Sophomore assistant and Junior Publicity Manager has gained considerable experience for his position. He is a member of Baton and of the Alpha Tau Omega Fraternity. Following his graduation from Grand Rapids' High School he spent a year at Hope College before coming to Technology.

the tracks when preparing for a test.

The laboratory houses equipment of both the Aeronautical and Mechanical Engineering Departments. A number of the popular types of automobile motors as well as some special single-cylinder engines with variable compression heads have been installed. A Wright model E4 aircraft motor, a brake tester and a special dynamometer testing pit also comprise the apparatus.

TRACK TEAM LOSES MEET WITH CORNELL

(Continued from Page 3)

120 high hurdles, 100 yard dash, two mile, pole vault, and discuss throw.

A summary of the meet follows: Sixteen-pound shot—Won by Levy (C); second, Grondal (M.I.T.); third, Wickham (C). Distance—43 ft. 11-4 in.

Javelin throw—Won by Worden (C); second, Northrup (C); third, Whitworth (M.I.T.). Distance—162 ft. 8 in.

Two hundred and twenty-yard hurdles—Won by Clark (C); second, Siegel (C); third, Llop (C). Time—24-4-55.

Eight hundred and eighty-yard run—Won by Elmer (C); second, Tremen (C); third, Berry (M.I.T.). Time—1m. 57-3-58.

Two hundred and twenty-yard dash—Won by Meinig (C); second, Ladd (M.I.T.); third, Heekin (C). Time—21-1-58.

One hundred and twenty-yard high hurdles—Won by Young (C); second, Wells (C); third, Clark (C). Time—15-3-58.

One hundred-yard dash—Won by Meinig (C); second, Heekin (C); third, Sherwood (C). Time—10s.

One-mile run—Won by Benson (C); second, Hendricks (C); third, Herberts (M.I.T.). Time—4m. 35-1-58.

Four hundred and forty-yard dash—Won by Hallahan (M.I.T.); second, Baker (C); third, Travis (C). Time—51-2-58.

Two-mile run—Won by Levering (C); second, Beaman (C); third, Pattison (C). Time—3m. 54-1-58.

Running high jump—Won by Benjamin (M.I.T.); second, Wickham (C); third, for third between Allen and Chinnock (C). Height—6 ft.

Discus throw—Won by Firman (C); second, Levy (C); third, Wickham (C). Distance—130 ft.

Pole vault—Won by Colyer (C); tie for second between Gates and Courtney (C). Distance 11 ft.

Twelve-pound hammer throw—Won by Weis (C); second, Worden (C); third, Crout (M.I.T.). Distance—167 ft. 4 in.

Running broad jump—Won by Williams (C); second, Beyer (C); third, Zigler (M.I.T.). Distance—22 ft. 2-3 in.

Action of Explosives

